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SYSTEMS AND METHODS FOR AUTOMATED NAVIGATION BETWEEN DYNAMIC DATA WITH DISSIMILAR STRUCTURES

Abstract of the Disclosure

Systems and methods are provided for automating navigation between dynamic data that has dissimilar structures, such as navigating between relational tables that have only a subset of their columns in common. That is, given a source dataset and source element collection, we want to navigate to an element collection in one or more target datasets. The automated navigation system includes an inter-dataset navigation engine that determines the best matching element collection within a plurality of target datasets. One method employed includes finding a descriptor of the target element collection in a target dataset. Then, a distance metric is computed between each source and target element. Lastly, a list that contains an entry for each target dataset along with its associated target element collection and distance value is output for use in a particular analysis task.

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